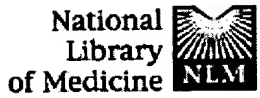
09/618,623
STN/Eait
Search Strategy

attaken #11

```
=> d his

     (FILE 'HOME' ENTERED AT 11:12:49 ON 02 MAY 2002)

     FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 11:12:54 ON 02 MAY
     2002
L1        35271 S PHOSPHOLIPASE (2N) A2
L2           68 S L1 (5N) SN-2
L3           39 DUP REM L2 (29 DUPLICATES REMOVED)
L4            2 S L3 AND (CDNA OR CLON?)

     FILE 'STNGUIDE' ENTERED AT 11:14:18 ON 02 MAY 2002

     FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 11:16:29 ON 02 MAY
     2002
L5            3 S L3 AND SEQUENCE

     FILE 'STNGUIDE' ENTERED AT 11:17:17 ON 02 MAY 2002
```



- Search History will be lost after one hour of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.

Search	Most Recent Queries	Time	Result
#17	Search **becker AND miller AND ellis** Limits: **Publication Date to 1998**	11:24:28	1
#16	Search **becker AND miller** Field: **All Fields,** Limits: **Publication Date to 1998**	11:24:21	117
#12	**Related Articles** for **PubMed** (Select **10024493**)	11:12:21	159
#10	Search **phospholipase AND a2 AND sn-2** Field: **Title/Abstract,** Limits: **Publication Date to 1998**	11:09:59	253
#7	Search **phospholipase AND a2 AND sn-2** Field: **Title,** Limits: **Publication Date to 1999**	11:08:52	5
#6	Search **phospholipase AND a2 AND sn-2** Field: **Title/Abstract,** Limits: **Publication Date to 1999**	11:08:40	270
#5	Search **phospholipase AND a2 AND sn-2**	11:08:28	307
#3	Search **mancuso AND jenkins**	10:55:10	5
#1	Search **tanaka AND takeya**	10:53:35	18

Clear History

L4 ANSWER 1 OF 2 MEDLINE
AN 96361433 MEDLINE
DN 96361433 PubMed ID: 8713499
TI Regulation of rat kidney mesangial cell phospholipase A2.
AU Hack N; Tay A; Schultz A; Muzin N; Clayman P; Egan S; Skorecki K L
CS MRC Group in Membrane Biology, University of Toronto, Ontario, Canada.
SO CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, (1996 Jan) 23 (1) 71-5. Ref: 46
Journal code: DD8; 0425076. ISSN: 0305-1870.
CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199612
ED Entered STN: 19970128
Last Updated on STN: 19970128
Entered Medline: 19961203
AB 1. The precursor of eicosanoids is arachidonic acid, which emanates from the cleavage of the **sn-2** position of phospholipids by **phospholipase A2** (PLA2). Eicosanoids have diverse physiological and pathophysiological effects in the kidney. The regulation of phospholipase A2 has important implications for kidney function. 2. In the current communication we focus our attention on mesangial cell cytosolic PLA2 (cPLA2) and its regulation at the post-translational and post-transcriptional level. 3. At the post-translational level, using site directed mutagenesis of cPLA2 and a dominant negative ras, we have demonstrated that cPLA2 can be phosphorylated by mitogen activated protein (MAP-2) kinase leading to increased cPLA2 enzymatic activity. 4. At the post-transcriptional level we show that the half-life of cPLA2 mRNA in mesangial cells is significantly increased when mesangial cells are stimulated by mitogens. We further demonstrate the presence of three ATTTA motifs in the 3' untranslated region (3' UTR) of the cPLA2 **cDNA**. 5. Using chimeric constructs bearing the 3' UTR from rat cPLA2 fused downstream of the luciferase reporter, we demonstrate that this region exerts a destabilizing effect on cPLA2. 6. We have isolated and mapped genomic DNA and polymorphic markers for cPLA2 in the human and rat.

	Type	L #	Hits	S arch T xt	DBs	Tim Stamp	Commen ts
5	BRS	L29	136	l1 and beta and oxidation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:08	
6	BRS	L36	40	l29 and sn-2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:09	
7	BRS	L43	28	l1 near10 sn-2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:10	
8	BRS	L50	6	l43 and oxidation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:10	

	Typ	L #	Hits	Search T xt	DBs	Tim Stamp	Comm n ts
1	BRS	L1	1559	phospholipase near2 a2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 11:50	
2	BRS	L8	18	l1 near5 sn-2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:10	
3	IS&R	L15	3	("5466595").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:06	
4	BRS	L22	4863659	s l1 and beta and oxidation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/02 12:08	